

EXHIBIT B: PENDING CLAIMS

Application No. 09/895,435 as amended November 4, 2002

WHAT IS CLAIMED IS:

1. A composition comprising an isolated DNA molecule comprising one or more copies of TRT (SEQ ID NO:3), or a functional variant thereof, with the proviso that the DNA molecule does not comprise the entire sequence of TRT" (SEQ ID NO:4).
2. The composition of claim 1 wherein the DNA molecule comprises one or more copies of TRT (SEQ ID NO:3), or a functional variant thereof, and a heterologous nucleotide sequence.
3. The composition of claim 1 wherein the DNA molecule comprises one or more copies of TRT (SEQ ID NO:3), or a functional variant thereof, with the proviso that the DNA molecule does not comprise more than 200 contiguous nucleotides of the sequence of TRT" (SEQ ID NO:4).
4. The composition of claim 3 wherein the DNA molecule does not comprise more than 100 contiguous nucleotides of TRT" (SEQ ID NO:4).
5. The composition of claim 3 wherein the DNA molecule does not comprise more than 32 contiguous nucleotides of the sequence of TRT" (SEQ ID NO:4).
11. The composition of any one of claims 1 to 10 wherein the DNA molecule further comprises a selectable marker.
12. The composition of any one of claims 1 to 10 wherein the DNA molecule is a vector.
13. A cell transformed with a DNA molecule, said DNA molecule comprising one or more copies of TRT (SEQ ID NO:3), or a functional variant thereof, with the proviso that the DNA molecule does not comprise the entire sequence of TRT" (SEQ ID NO:4).

15. The cell of claim 13 or 14 wherein the DNA molecule is integrated into the chromosome of the cell.
16. A eukaryotic cell transformed with a DNA molecule integrated into its chromosome, said DNA molecule comprising one or more copies of TRT (SEQ ID NO:3) or a functional variant thereof, or TRT' (SEQ ID NO:2), or a functional variant thereof.
17. The cell of claim 16 which is a mouse embryonic stem cell.
18. The cell of claim 16 wherein the DNA molecule comprises two copies of TRT' (SEQ ID NO:3), or a functional variant thereof, separated by a heterologous nucleotide sequence.
19. The cell of claim 16 wherein the DNA molecule comprises two copies of TRT' (SEQ ID NO:2), or a functional variant thereof, separated by a heterologous nucleotide sequence.
20. A kit comprising in one or more containers:
- a) an isolated DNA molecule comprising one or more copies of TRT (SEQ ID NO:3) or a functional variant thereof; and
 - b) an isolated TnpI protein, a TnpI expression vector or a cell capable of expressing TnpI.